TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL

NASA/GODDARD SPACE FLIGHT CENTER

REQUEST FOR TASK PLAN / TASK ORDER

CONTRACTOR	CONTRACT NO./TASK NO.		JOB ORDER NUMBER	APPROP. FY
	NAS5-	TASK NO. AMENDMENT		
QSS Group, Inc.	99124	71	568-860-10-53-89	99

TASK TITLE: (NTE 80 characters; include Project name)

IRAC Instrument System Level Integration and Test

APPROVALS: (Type or print name on design)

	DATE	ORG CODE	MAIL CODE	PHONE
ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR) Raymond E. Jungo	4/29/99	568	568	301-286-2850
BRANCH HEAD Fred Hugel	4/27/99	CODE 568		PHONE 301-286-2285
CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR) Fred Huegel	4/27/99	CODE 568		PHONE 301-286-2285

FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE? (IF YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)	CONTRACTING OFFICER'S QUALITY REP.	DESIGNATED FAM:
( ) NO (X) YES	DSC for L. Moore per email Larry Moore	Ron Kolecki

The contractor shall identify and explain the reason for any deviations, exceptions, or conditional assumptions taken with respect to this Task Order or to any of the technical requirements of the Task Order Statement of Work and related specifications. The contractor shall complete and submit the required Reps and Certs.

(To be completed by Contracting Officer)
C.O. Requested Quote on:
Date: MAY - 3 1999

Contractor will develop specification or statement of work under this task for a future proc (X) NO ( ) YES

Flight hardware will be shipped to GSFC for testing prior to final del (X) NO ( ) YES ( ) N/A

Government Furnished Property/Facilitie ( ) NO (X) YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)

Onsite Performance: ( ) NO (X) YES If yes: (X) TOTAL ( ) PARTIAL
If partial, indicate onsite work in SOW by asterisk (*)

Surveillance Plan Attached: (X) NO ( ) YES

Highlighted Contract Clauses: *(to be completed by Contracting Officer)*

Per Clause H.14, Task Ordering Procedure, subparagraph (f), the effective date of this task order shall be May 3, 1999.

INCENTIVE FEE STRUCTURE (check one)
(See Contract NAS5-99124, Attachment K, Incentive Fee Plan)

	___ No. 1	___ No. 2	___ No. 3	___ No. 4	_X_ No. 5
Cost	10%	50%	25%	25%	4%
Schedule	15%	25%	25%	50%	48%
Technical	75%	25%	50%	25%	48%

(To be completed by Contracting Officer)

The target cost of this task order is $ 663,374.
The target fee of this task order is $ 42,496.
The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is $ 705,870.

The maximum fee is $ 62,110.
The minimum fee is $0.

AUTHORIZED SIGNATURE:

THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"

Lorrie L. Eakin — 10/29/99 — Lorrie L. Eakin, Contracting Officer

SIGNATURE OF CONTRACTING OFFICER | DATE | TYPED NAME OF CONTRACTING OFFICER

CONTRACTOR'S ACCEPTANCE:

AUTHORIZED SIGNATURE | DATE

GSFC FORM 703-1845 12/98 (OLDER VERSIONS ARE OBSOLETE)

DISTRIBUTION: CONTRACTOR, CONTRACTING OFFICER, COTR, CODE 303, RESOURCES ANALYST, ASSISTANT TECHNICAL REPRESENTATIVE

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QSS Group, Inc.	99124	71	

Applicable paragraphs from contract Statement of Work:

STATEMENT OF WORK: (Continue on blank paper if additional space is required)

The contractor shall provide services for the Integration and Test of the IRAC Instrument Engineering Model (EM) and Flight Unit (FU). The contractor shall operate and test the IRAC Instrument during assembly, integration and verification phases using an Advanced Spacecraft Integration and System Test (ASSIST) workstation and a Spacecraft Interface Simulator (SIS). Both the ASSIST workstation and the SIS shall be GFE onsite and available for contractor use.

The following specific activities are required:

The contractor shall generate or modify Standard Test and Operations Language (STOL) procedures. This shall include IRAC Instrument commanding, telemetry acquisition, verification, and setup of telemetry page displays.

The contractor shall generate operating procedures for STOL, ASSIST,SIS and IRAC that ensure safe and proper operation of these systems.

The contractor shall develop, document and maintain electrical integration and testing plans and procedures to be used during the Instrument level integration effort. Integration plans and procedures are to be developed for:

IRAC integration and functional testing, Flight, ground and test Wiring Harness Checkout and Integration, SIS and ASSIST and IRAC Functional Operation and Checkout,
Environmental EMI/EMC, Thermal Vacuum, Vibration, Calibration

The contractor shall provide services for the integration of the IRAC Instrument to the Cryogenic Telescope Assembly at Ball Aerospace in Boulde,r Colorado and to the spacecraft at LMMS in Sunnyvale, California.

PERFORMANCE SPECIFICATIONS:

IRAC Performance Verification Plan
SIRTF Observatory and Interface Control Document

APPLICABLE DOCUMENTS:

Same as above.

TASK END DATE: 4/30/00

MILESTONES/DELIVERABLES AND DATES:

Aliveness, short form, long form functional test procedures by October 30,1999
Calibration Procedure by December 30, 1999
All GSE operational procedures by November 30, 1999
Environmental test procedures by February 28, 2000
All performance test plans and procedures by March 1, 2000

PERFORMANCE STANDARDS:

Schedule: On-time delivery of the above
Technical: In accordance with Performance specifications

FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):

Raymond E. Jungo, Code 568, building 5, room W76D